

ATTACHMENT B

CIO ANALYSIS

DEPARTMENT OF PUBLIC WORKS ALAMITOS BARRIER PROJECT TELEMTRY SYSTEM PHASE 2

CIO RECOMMENDATION: ☒ APPROVE ☐ APPROVE WITH MODIFICATION
☐ DISAPPROVE

Contract Type:

☒ New Contract ☐ Contract Amendment ☐ Contract Extension
☐ Sole Source Contract ☐ Hardware Acquisition ☐ Other

New/Revised Contract Term: Base Term: 1 Yrs # of Option Yrs 1 Yr

Contract Components:

☒ Software ☒ Hardware ☒ Telecommunications
☐ Professional Services

Project Executive Sponsor: Matt Frary, Manager, Sea Water Barriers Unit, DPW

Budget Information :

Y-T-D Contract Expenditures	\$ 0
Requested Contract Amount	\$379,000
Aggregate Contract Amount	\$379,000

Project Background:

Yes	No	Question
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is this project legislatively mandated?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is this project subvented? If yes, what percentage is offset? 25%
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Is this project/application applicable to (shared use or interfaced) other departments? If yes, name the other department(s) involved?

Strategic Alignment:

Yes	No	Question
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is this project in alignment with the County of Los Angeles Strategic Plan?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Is this project consistent with the currently approved Department Business Automation Plan?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does the project's technology solution comply with County of Los Angeles IT Directions document?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Does the project technology solution comply with preferred County of Los Angeles IT standards?

<input checked="checked" type="checkbox"/>	<input type="checkbox"/>	This contract and/or project and its milestone deliverables must be entered into the Information Technology Tracking System (ITTS).
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Project/Contract Description:

The purpose of this project is to improve the efficiency of the Alamitos Barrier Project (ABP) through an Automated Data Acquisition Telemetry System (ADATS). The ABP provides monitoring of barrier operations for groundwater protection against seawater intrusion. The ADATS is used to remotely manage operations of the ABP, and will store, analyze, and present status information on operational conditions at multiple wells in Long Beach and Seal Beach.

Background:

Development of the ABP was split into two phases. The first phase, completed in January 2007, included construction and installation of conduit and pull boxes. The second phase will be performed via this new Agreement, and includes installation of radio equipment, programmable controllers, and software to support remote monitoring and analysis of real-time data about the groundwater barrier operations. When completed, this project will help provide and protect a sustainable water supply for the County of Los Angeles.

Project Justification/Benefits:

The ADATS will utilize telemetry (radio) technologies to improve the efficiency of the ABP and support monitoring of underground drinking water aquifers. The remote monitoring capabilities will yield long-term operational savings in both cost and time.

Project Metrics:

Project success will be achieved when the new ADATS meets defined acceptance criteria, and has remained fully operational, without deficiencies, for 60 days.

Impact On Service Delivery Or Department Operations, If Proposal Is Not Approved:

If not implemented, operation of the ABP will remain dependent on field personnel to gather and report data and effectively monitor operations to identify malfunctions. This time-consuming process is performed routinely, and has on occasion delayed responses to serious infrastructure damage, creating a public safety hazard and a gap in protecting LA County's underground drinking aquifers from saltwater intrusion.

Alternatives Considered:

Alternative equipment and approaches were considered. The radio-based solution was selected because it is most consistent with industry standards, is proven reliable, and is most efficient within operating needs and resources.

Project Risks:

Ensuring timely completion of major milestones is the only identified risk.

Risk Mitigation Measures:

The Statement of Work for this project includes sufficient controls to effectively manage timely completion of the ADATS.

Financial Analysis:

The project is financed by County funds available to the Flood Control District with partial reimbursement from State grant funds. The original project grant totaled \$250,000, and \$111,621 remains in that grant to partially fund this Phase 2 project. The Phase 2 agreement cost is \$379,000, including a \$34,317 contingency. After consideration of the grant funding, the balance will be paid via County funds available to the Flood Control District for Fiscal Year 2007-08.

CIO Concerns:

The CIO has been working with the Department since April 2007, including assistance in development of the RFP that led to this agreement. The CIO does not have any remaining concerns regarding this project.

CIO Recommendations:

The CIO recommends approval of this agreement.

CIO APPROVAL

Date Received:

8/9/07

Prepared by:

Paul

Date:

8/17/07

Approved:

Greg Melendez

Date:

8/21/2007